FIG. 1

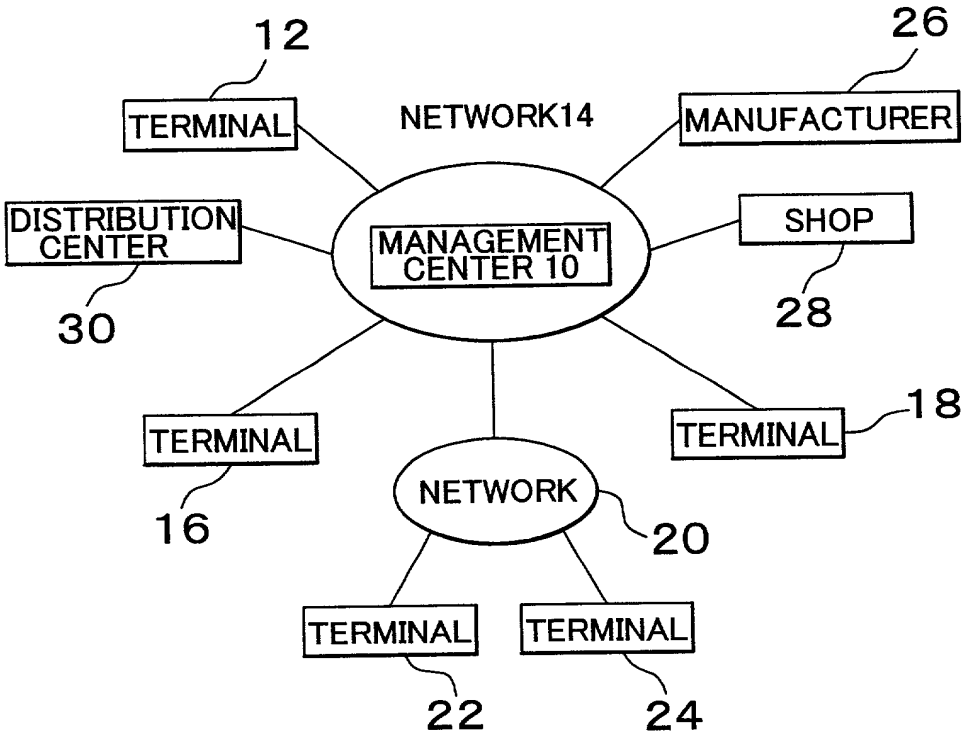
12
TERMINAL
NETWORK14
26
MANUFACTURER
DISTRIBUTION CENTER
MANAGEMENT CENTER 10
SHOP
30
28
TERMINAL
18
TERMINAL
NETWORK
16
20
TERMINAL
TERMINAL
22
24

FIG. 2

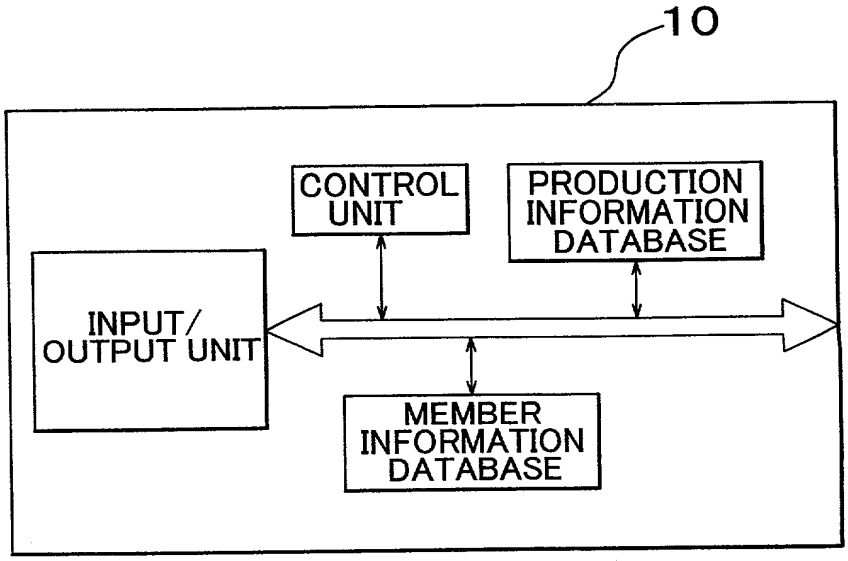
10
CONTROL UNIT
PRODUCTION INFORMATION DATABASE
INPUT/ OUTPUT UNIT
MEMBER INFORMATION DATABASE

FIG. 3

PRODUCT	PRODUCT CODE	WEIGHT	VOLUME	SHELF ADDRESS	CHARACTERISTIC
A	x x x	W 1	V 1	L 1	KEEP REFRIGERATED
B	y y y	W 2	V 2	L 2	
C	z z z	W 3	V 3	L 3	
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.

JP2001-344450

FIG. 4

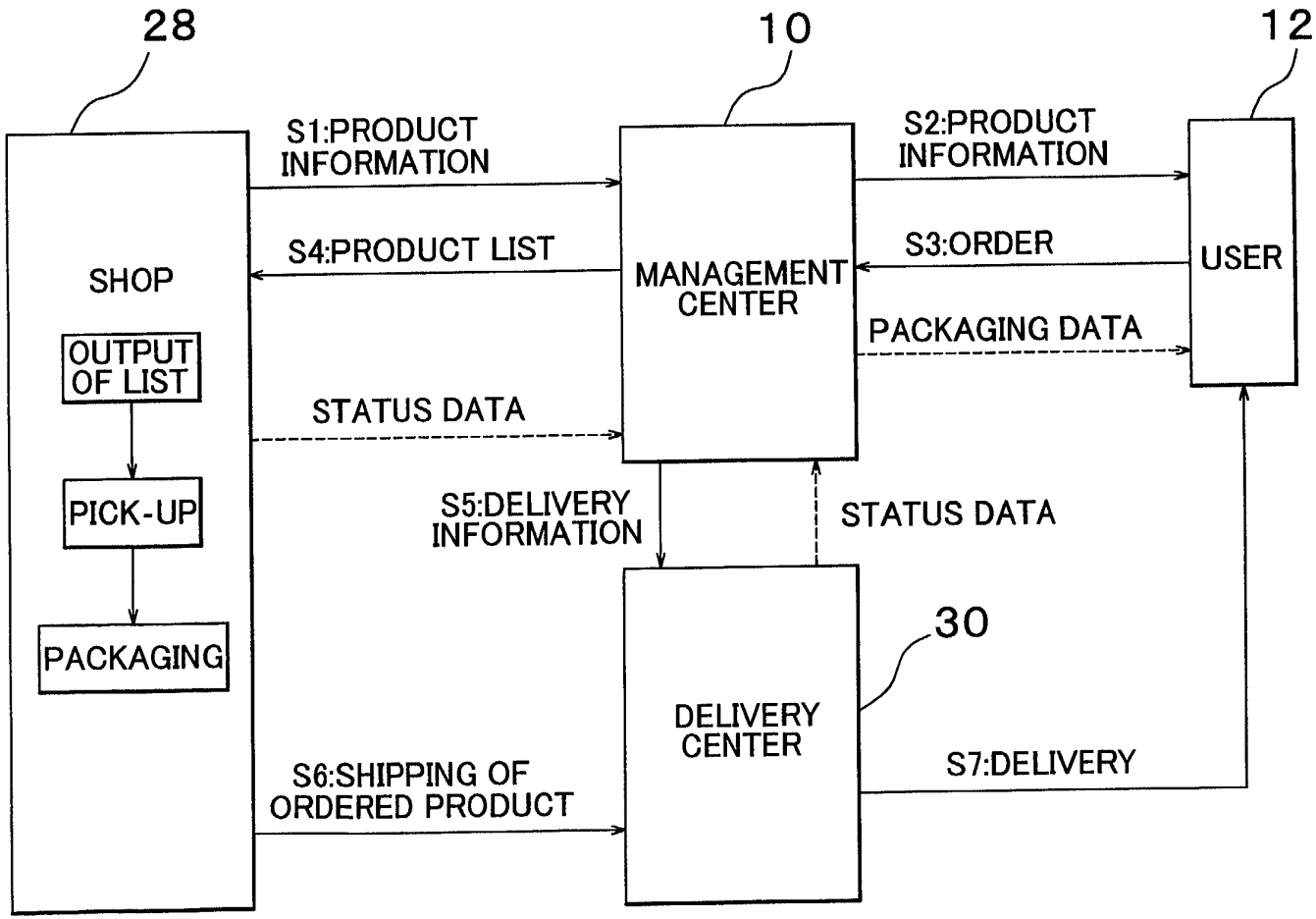

FIG. 5

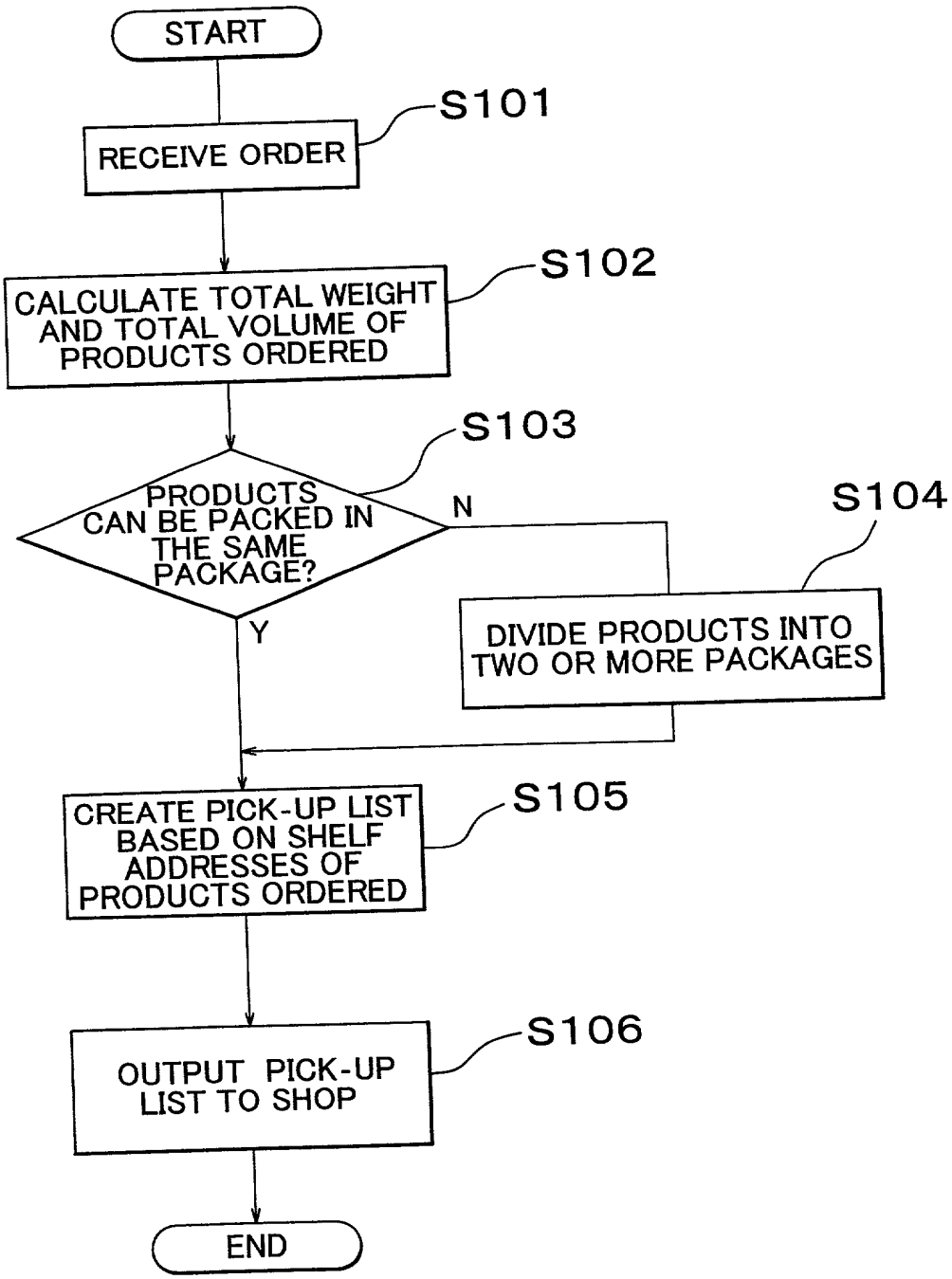
START
RECEIVE ORDER
S101
CALCULATE TOTAL WEIGHT AND TOTAL VOLUME OF PRODUCTS ORDERED
S102
PRODUCTS CAN BE PACKED IN THE SAME PACKAGE?
S103
N
Y
DIVIDE PRODUCTS INTO TWO OR MORE PACKAGES
S104
CREATE PICK-UP LIST BASED ON SHELF ADDRESSES OF PRODUCTS ORDERED
S105
OUTPUT PICK-UP LIST TO SHOP
S106
END

FIG. 6

JOB ID: x x x x

	PRODUCT	QUANTITY	SHELF ADDRESS
1	C1	1	L1
2	C2	2	L2
3	C3	3	L3
4	C4	4	L4